# SYSTEM AUDIT REPORT NUMBER 05/35812/AS-S05



Page 1 of 4

# THIS REPORT RELATES TO A/AN SURVEILLANCE VISIT ON MAY 17-20, 2005

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Company: Marshal Space Flight Cer	nter	As Deep or		***	tes Visited:		25.44.44
				1. N/A	1.00 to 1.00 t		And Andrews
			<u>:</u>				
Address: Marshall Space Flight Cen	iter, A L 35812	18 Th					at The second
	A TANK		44	2. N/A	A AA	en e	
·				! <u>-</u>			
Scope:  ISO 9001:2000: All Products Agency Infrastructure and is a  AS9100: Design, Developme associated Ground Support Ed	Major Contribunt, Production, In	tor to All Its Scienstallation and Se	entif ervic	ic and Tecl	nnical Enterpri	ises. Flight Software	
Standard(s): AS 9100B	Support Docu	mentation(s): A	S91	01B <b>N</b> o	n-English La	inguages Used:	N/A
		····					
Previously identified noncompover as items 6 & 7. Noncompliances noted are min		cummulatively o	do n	ot constitu	te a Major NC		
The visit is deemed to be:  Satisfactory Unsatisfactory Unsatisfactory visits may result in a chang audit activity.	ge to the next	processing i	CAF nitia QS-9	in 20 work tes after rec 000 NCs mu	ing days (all No eipt/acceptance ast be closed pri	Cs, Obs & OIs). of CAPs. ior to certificate is issued during su	ssuance.
The second secon	The second secon			F			
NQA ASSESSMENT TEAM			-		NY INFORM		
LEAD AUDITOR: Rick Giguere	eri e para Para Mala			MGT. RE	P.: Robin He	nderson	
TEAM: Trudy Keaveney	TEAM:			QUALIT	Y MANUAL (	(REV & ISSUE	EDATE):
TEAM:	TEAM:	in the second se			Rev N	I 9/17/04	
		W. C.			and the second		- 49
The contents of this report is confidential and m above. Non-compliances/non-conformances rai compliances/non-conformances may exist whice report. The company representative's signature contained in this report. Prior to the assessment documented. The quality system shall be under	ised or observations r h have not been ident indicates their agreer t, the company must b	noted within this repo iffied. The Internal A ment and understandinave completed a con	ort are audit ng of	e the result of system is dee f any non-con	limited sampling med effective unl apliances/non-con	and therefore non- ess noted within the formances and obs	e body of this ervations
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#### SYSTEM AUDIT REPORT NUMBER: 05/35812/AS-S05

er content



#### **AUDIT MATRIX**

X or √ indicates r through entire box			SPECIFIC ISO 9001:2000 REQUIREMENTS FUNCTIONS/PROCESSES AUDITED DURING THIS VISIT									LS.	NEXT VISIT PLAN			
function/process as requirement. X or section for next ac			SB		gement	ED TEST			CAS/PRACA/Alerts	ın Lab	Shipping /Receiving	oject				
ISO 9001:2000 Reference	Clause Title	Management Rep	MQC/IMSB	PMC	SR Management	ECLSS I	MRB	QD 40	CAS/PR/	Calibration Lab	Shipping	JWST Project				AS RE01
4.2.1 & 4.2.2*	Quality Manual *	X	X													X
4.2.3	Document Control					X	Х	X	X	X	Х					
4.2.4	Quality Records		-X-	-X-		-X-	-X-	-X-	-X-	_X_	_X_					
4.1, 5.1, 5.2, 5.3, 5.4.2, 5.5	Management Activities		X	X	Х	X										
5.4.1*	Quality Objectives*	X	X	Х	X	X										X
5.6*	Management Review *	X	X	X												X
6.1 & 6.2	Resources & Competence							X			X					X
6.3 & 6.4	Infrastructure & Work Environment		:							` `						X
7.1	Product Realization Planning		·													
7.2	Customer Related Process & Comm.															
7.3	Design & Development Include 4.3															X
7.4	Purchasing															
7.5.1 & 7.5.3	Process Provision and ID&T Activities													;		X
7.5.2	Process Validation							Х								
7.5.4	Customer Property										X					
7.5.5	Preservation (Handling, Storage & Deliv.)					X				, <b>X</b>	X					
7.6	Calibration					X			:	X						
8.1	Measurement & Monitoring Planning															
8.2.1*	Customer Satisfaction*	$\mathbf{X}_{j}$	X	X	X				1			14	 '		:-	X
8.2.2*	Internal Audits*							X	ų.					:	:	X
8.2.3	Measurement & Monitoring of Process								. ;							
8.2.4	Measurement & Monitoring of Product								Y .			12.			-	
8.3	Non-Conforming Processes/Products					X	X									
8.4	Analysis of Data		X	X							X					
8.5.1*	Continuous Improvement*		X	X					X			X				·X
8.5.2 & 8.5.3*	Corrective/Preventive Action*							Х	X			X				X
5, 77	Use of NQA Logo	X										Š.				X

## SYSTEM AUDIT REPORT NUMBER 05/35812/AS-S05



### SYSTEM AUDIT RECORD

Auditor(s): Rick Giguere

Date: May 17-20, 2005

Clause No.	Re	ecord of Details	of Audit (nar	nes, referenced (	documents, de	epts, etc.)		NC	Obs or OIs
4.2.1, 4.2.2, 4.2.3	See AS9101B check INTERVIEWED: DOCUMENTS RE OBJECTIVE EVIL	VIEWED:	ED:						
5.4.1, 5.6, 6.3, 6.4	See AS9101B check INTERVIEWED: DOCUMENTS RE OBJECTIVE EVID	VIEWED:	ED:					2	1
7.5.2,	See AS9101B check	list for details						4	1
7.5.4,	See AS9101B check INTERVIEWED: DOCUMENTS RE OBJECTIVE EVID	VIEWED:	ED: 7.4 Reviewe	ed only to verify corre	ective actions fror	n previous audit	* .	4	1
7.5.2, 7.5.4, 7.5.5, 7.6, 7.4	INTERVIEWED: DOCUMENTS RE	VIEWED:	ED: 7.4 Reviewe	ed only to verify corre	ective actions from	n previous audit		4	1
7.5.4, 7.5.5,	INTERVIEWED: DOCUMENTS RE	VIEWED:	ED: 7.4 Reviewe	ed only to verify corre	ective actions from	n previous audit		4	1
7.5.4, 7.5.5, 7.6, 7.4 3.2.1, 3.2.2,	INTERVIEWED: DOCUMENTS RE	VIEWED: DENCE SAMPLE  dist for details  VIEWED:						2	
7.5.4, 7.5.5, 7.6, 7.4	INTERVIEWED: DOCUMENTS RE OBJECTIVE EVID  See AS9101B check INTERVIEWED: DOCUMENTS RE	VIEWED: DENCE SAMPLE  dist for details  VIEWED:						2	

26	TOTAL	8 2
. 1 * #	PAGE 3 OF 4	Santa

# SYSTEM AUDIT REPORT NUMBER 05/35812/AS-S05



	r Serveri	<u> </u>	
Ref No.	Clause No.	NON-CONFORMANCES & OBSERVATIONS/OPPORTUNITIES FOR IMPROVEMENT RAISED	NC/OBS OI
1	7.5.2	A review of certification records for Proficiency examiners indicates that the duration of these certifications is five years. Procedures, however, do not address the certification duration for examiners.	OBS
2	7.5.2	MWI 3410.1 Rev E, Personnel Certification Program, calls for NDE certification periods of three years. Certification records indicate that NDE personnel certifications extend to five years.	NC
3	7.5.5	MWI 8550.5, Hazardous Material Mgmt, states in part that hazardous material storage areas are to be regularly inspected for "leaking, severly corroded containers, and unneeded, out-of-shelf life products." A review of the contents of Flammable Content cabinets in vibration lab reveals age-sensitive materials well beyond the expiration date, some items by over 10 years.	NC
4	8.3	Quality Plan, ECLSS FD21-005 Rev B, states in part what MRB membership would consist of, including a "Stress" engineer. A review of dispositioned DR's revals that no such "Stress" individual is included as an MRB signatore. Immediate action taken.	NC
5	6.3	A review of preventive maintenance activity for the shakers in the vibration lab indicates a lack of objective evidence in the way of PM records.	NC
6	7.4	Ref. NQA report S04. Unable to verifiy implementation of corrective actions. NC #2 (633): Qualification criteria, thresholds of performance and consequences of poor performance have not been identified.	NC
		NC #4 (637): Supplier corrective actions do not demonstrate full root cause corrective action anlysis. ref: Sierra Lobo audit finding corrective actions.	
7	5.6	Ref. CA 632 from NQA audit S04, could not be satisfactorily verified. MPG 7120.4 Appendix I: PPA Monthly Health Status Report requires that root cause of any yellow or red condition and recovery plan be described. A review of these reports reveals inconsistencies in the reporting of cause analysis and recovery plans in roughly half of the projects/programs reporting.	NC
1			F
8	7.6	The process for dealing with IM&TE that is found to be out of tolerance at calibration is not clearly established for users outside the calibration lab. MPR 8730.5 directs the user of out-of-tolerance devices to refer to MWI 1280.3 for instruction on actions to take, however, this procedure deals with processing Alerts, and no reference made to evaluating effect of OOT on product.	NC
9		A review of corrective action records from RCAR's reveals that objective evidence of verification activities is inconsistently applied.	NC
10		A review of work environment in the Vibration Lab (Room 148 and adjacent control room) revealed a large amount of clutter and general lack of proper housekeeping. It was noted that no testing was being performed at the time.	OBS

NOA/USA Representative Signature and Date:	Company Representative Signature and Date:	Page 4 of 4
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C1405/01-24-03/E



# ACC AEROSPACE **STANDARD**

AS9101 Technically equivalent to

AECMA prEN 9101

REV. В

Issued Revised 2000-09 2003-03

Superseding AS9101A

Quality Management Systems Assessment

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#### **Foreword**

In December 1998, the Aerospace Industry has established the International Aerospace Quality Group (IAQG) with the purpose of achieving significant improvements in quality and reductions in cost throughout the value stream.

This organization, with representation from Aerospace companies in Americas, Asia and Europe and sponsored by SAE, SJAC and AECMA has agreed to take responsibility for the technical contents of this standard

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#### Contents

2	QUALITY MA	NAGEMENT SYST	EMS – ASSESSM	ENT		and the state of t
	1	Purpose				
٠.	2	Quality system as	sessment report	content	sy signify god	. In fiding (
	Appendix A	Quality system qu	estionnaire			ger Designation for to the first
	Bibliography					
	SECTION 2	2: STEMS – QUALITY	SYSTEM ASSES	SMENT		
	1	Purpose				
	2	Quality system as:	sessment report	content		
	Appendix A Bibliography	Quality system qu	estionnaire			
			••••••			

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# **SECTION 1**

# QUALITY MANAGEMENT SYSTEMS ASSESSMENT

#### 1 PURPOSE

The purpose of this document is to define the content and the presentation of the Assessment Report of the section 1 of AS9100.

#### 2 QUALITY SYSTEM ASSESSMENT REPORT CONTENT

The Assessment Report is made up of.

- Page 7 (required)
   General Assessment Information
- Page 8 (required)
   Assessment Conclusions
- Page 9 (optional)
   General Organization Information
- Page 10 (required)
   Assessment Result Summary
- Page 11 (required)
   Assessment Scoring
- Page 12
   Corrective Action Request (when required)
- Page 13
   List of Recommendations/Observations/Comments
- Appendix A
   Quality System Questionnaire relative to the section 1 of AS9100
- Appendix B
   Documents regarding the company:
  - Organization charts,
  - Copies of agreements and certifications

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# **ASSESSMENT REPORT**

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Assessing company logo

GENERAL ASSES	SMENT INFORMATION
1 Organization & Work Address	
Company Name: NASA, Marshall Space Flight Center Subsidiary of: Organization Identification: Assessed Site Address: Huntsville, AL 35812	Tel Number: Fax Number: e-mail: CAGE code: Assessment Representative & Title:
	Quality Manager Representative & Title:
Main activities:	
Product Types or Codes:	
2 ISO Registration	
[ ] ISO Registered	Registrar Name: NQA-USA
[ x ] ISO Standard / Revision ISO 9001:2000	Expiration Date (If applicable):
[ x ] Aerospace Standard / Revision AS9100B	May 27, 2007
3 Assessment Team	
Lead Assessor Name:	Other Assessor Team Members:
[x] Certified Auditor – Type & No. A03158	
[ ] Qualified Auditor	
4 Assessment Dates: May 17-20, 2005	
5 Assessment Scope	
[ ] Total facility assessed [ ] Initial assessmen	t [ ] All 9100 elements assessed
[ x ] Partial facility assessed [ ] Re-assessment	[ x] Partial 9100 elements assessed
[ ] Other:	Elements not assessed:
[ *] Activity assessed:	
6 Assessment Disposition	7 Scoring
[ ] Conforming	Scoring result: 89.5
[ x] Conforming with minor (mi) corrective action	
[ ] Non conforming with Major (MA) corrective action	
8 Assessment Approval	
Assessing Company Date  NQA-USA May 20, 2005	Lead Assessor Name Richard Giguere  Signature  Warner

#### **Distribution Agreement**

This Assessment Report is the property of the assessed Organization and the assessing Company. Distribution to other companies or individuals is authorized only after written agreement of the assessed Organization and of the assessing Company.

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# ASSESSMENT REPORT

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	Good overa	ll consisten	cy of management syste	m with some areas for op	portunity.	
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# ASSESSMENT REPORT

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GENERAL ORGANIZATION INFORMATION  1 Legal and Financial Aspects  Date of Formation:  Legal Status:  Capital:  Third Prior Financial Year Financial Year Financial Year ()  Financial Year ()  Financial Year ()  Financial Year Second Prior Financial Year ()  Financial Year ()  Financial Year ()  Financial Year Second Prior Financial Year ()  Financial Year										
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# ASSESSMENT REPORT

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#### ASSESSMENT RESULT SUMMARY

Organization : NASA, Marshall	Spac	e Fli	ght C	ente	, 1989 <b>,</b> 1989	The long is a second of the long in the long is a second of the long in the lo		
Elements*			sult				tive Action Requ	est Numb
(AS9100 – Section 1)	S	Ма	mi	N/A		And The Control of th	(MA/mi)	
4 - Quality Management System				<u> </u>			2.1	
4.1 General requirements	S		100					e desire to
4.2 Documentation requirements	S				eta.		e de la companya de	The state of the same
4.3 Configuration Management	S							
5 - Management responsibility		-					_	
5.1 Management commitment	S							
5.2 Customer focus	S							
5.3 Quality policy	S							
5.4 Planning	S							
5.5 Responsibility, authority and communication	S							
5.6 Management review			1					
6 - Resource managements								
5.1 Provision of resources	S							
6.2 Human resources	S							
6.3 Infrastructure			1					
6.4 Work environment	S				10bserv	ation		
7 - Product realization								
7.1 Planning of product realization	S							
7.2 Customer-related processes	S		ļ					
7.3 Design and development	S							
7.4 Purchasing			1					
7.5 Production and service provision			2_		1 Observ	ation		
7.6 Control of monitoring and measuring devices			1				<u> </u>	
8 - Measurement, analysis and imp	orove	ment	<del>,</del> .		Τ			
8.1 General	S							
8.2 Monitoring and measurement	S			<u> </u>			The state of the s	
8.3 Control of NC product			1		40,		1	<u> </u>
8.4 Analysis of data	S		ļ				* #B	
8.5 Improvement			1	1	1,1			
Assessed Organization: NASA, Marshall Space Flight			8	1 A		g Company:		
Center Rep's name: Robin Henderson Signature: The Management of th			sults 9.5	*:	Lead Ass Signature	sessor) Name: e: //www.	Richard Giguere	

<sup>\*</sup> For each element, cross results of assessment: "S" for Satisfactory, "Ma" for major corrective action, "fmi" for minor or "N/A" for nor applicable

	ASSESSMENT SCORIN	G	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		(Men	nber logo)	ia Marti
Organi	zation : NASA, Marshall Space Flight Ctr.		1, 93	Re	sult	100	613
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					e Hamman Canagarian	(400)	200
4	Quality management system				4.0	(100)	100
4.1	General requirements	0	10	25	40	50	50 50
4.2 & 4.3	Documentation requirements & Configuration management	0	10	25	40	50 (150)	150
5						(130)	UCI
5.1	Management commitment						30
5.2 5.3	Customer focus	<b>⊣</b> 0	5	15	20	30	30
5.4	Quality policy Planning	1 0	10	20	20	10	40
5.5	Responsibility, authority and communication	0	5	20	20	30	30
5.6	Management review	0	(10)	25	40	50	10
5.0 			(10)	25 	40	(100)	100
	Resource Management Provision of resources					(100)	100
3.1 3.2		0	10	25	40	50	50
5.3	Human resources Infrastructure		<u> </u>			<del></del>	- 50
5.4	Work environment	0	10	25	40	50	40
7.	Product realization					(450)	70
7.1	Planning of product realization	0	5	15	20	30	30
7.2	Customer related processes	0	10	30	50	60	60
· <u>·2</u> 7.3	Design and development		10		1 30		
7.3.1	D& D Planning	0	5	15	20	30	30
7.3.2-3-4	Inputs, outputs & review	0	5	15	20	30	30
7.3.5-6	D&D verification & validation	0	5	15	20	30	30
7.3.7	Control of design and development changes	0	5	15	20	30	30
7.4	Purchasing	0	10	30	50	60	50
. <del></del> 7.5	Product and service provision				1 00		
7.5.1	Control of production and service provision	0	10	25	40	50	50
7.5.2	Validation of processes for production and service provision	0	10	20	30	40	40
7.5.3		0	10	20	30	40	40
7.5.4-5	Customer property & preservation of product	0	5	15	20	30	5
7.6	Control of monitoring and measuring device	0	5	10	15	20	15
.0	Measurement analysis and improvement				10	(200)	200
.1	General	0	5	10	15	20	20
.2	Monitoring and measurement						
8.2.1	Customer satisfaction	0	5	10	15	20	20
8.2.2	Internal audit	0	5	15	20	30	30
8.2.3	Monitoring and measurement of processes	0	5	15	20	30	30
8.2.4	Monitoring and measurement of product	0	5	15	20	30	30
.3	Control of nonconforming product	0	5	15	20	30	20
.4	Analysis of Data	0	5	10	15	20	20
.5	Improvement	0	5	10	15	20	15
	amprovenent .				TOTAL	880 <sup>(1)</sup> or 1000	895
he assess	ed Organization agrees on the Quality System scoring and C	orrective Act	ion		SCORE	10.75	100

requests

Organization Representative:

Robin Henderson

Date:

May 20, 2005

(1) When 7.3 is not assessed: SCORE = RESULT X 100 880

### CORRECTIVE ACTION REQUEST (C.A.R.)

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		CORRECTIVE ((	ACTION REC	QUEST		Assessing o		
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	List of R	ecommend	ations/Ob	servations/	Comments	<b>A</b> ssess	ing company logo	
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and Arthur Maria Talanda Talanda	<u></u>	Name of the state	<u> </u>			- data		
	Lead Assessor N			Signatu	ure:			130 de 1

S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management ement

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## APPENDIX A AS9101

# QUALITY SYSTEM QUESTIONNAIRE

#### 1 PURPOSE

The purpose of this document is to present the questionnaire to be used during the "on site" quality system assessment of Organizations in order to ensure common practices for these assessments. This questionnaire is relative to the section 1 of AS9100.

#### 2 USE OF THE QUESTIONNAIRE

The use of this questionnaire is mandatory and will be a part of the Assessment Report. The questionnaire is used to evaluate AS9100 standard, section 1.

The audit is undertaken by review against the requirements of the questionnaire and the findings are recorded as appropriate by annotation of respective columns,

- Satisfactory (S)
- > Not applicable (N/A) the reason shall be documented in the bottom of the page
- > Not evaluated (N/E)
- Corrective Action Request (CAR) Major (Ma) or Minor (mi.) finding:

The CAR number shall be referenced in the column "CAR number"
The category Ma for Major CAR or mi for Minor CAR shall be included in this column also.

#### Additional information on questionnaire

**Key Requirements**: Some requirements are deemed to be very significant and are so identified by the presence of 'P' or 'M' against the specific section or question within the questionnaire,

"P" direct link with product

"M" direct link with Management

The extent of Key Requirement applicability is determined by the location of the 'M' or 'P'. In the example below all of question 14 is considered as a key requirement.

ſ	14	Does th	ne output from the management review include any decisions and actions related to :	M			
		a)	Improvement of the effectiveness of the quality management system and its processes ?				
		b) <sup></sup>	Improvement of product related to customer requirements ? and			. 90	
		c)	Resource needs ?	<u></u>	L	<u> </u>	 L

In the second example below only part of question 03, i.e. d) is considered Key Requirement.

In planning product realization, does the organization determine the following, as appropriate:

a) Quality objectives and requirements for the product?

b) The need to establish processes, documents, and provide resources specific to the product?

c) Required verification, validation, monitoring, inspection and test activities specific to the product and the criteria for product acceptance?

d) Records needed to provide evidence that the realization processes and resulting product meet requirements (see 4.2.4)?

e) The identification of resources to support operation and maintenance of the product

Guidance notes: Certain questions will have a numeric reference that refers to additional guidance notes which are detailed within the Guidance notes' section located after the questions on each page. The guidance notes provide the Auditor with further insight on type of objective evidence and/or review expectations etc. In the example below, note (1) refers the auditor to additional notes pertaining to question 1 part a).

48	Doe	s the analysis of data provide information relating to	enter in the second			200000000000000000000000000000000000000	
	a)	Customer satisfaction (see 8.2.1) (1) ?		Shir A. (1975). Marsia e marsi			
	b)	Conformity to product requirements (see 7.2.1) e ?				200	
	c)	Characteristics and trends of processes and products include	ling opportunities	for preventive	and the second s		
		action ? And			10000000000000000000000000000000000000		
	d)	Organizations?					

#### **Guidance Note**

1) Give examples and check how the organization measures the effectiveness.

References: When a reference (e.g. 4.1) is added to a question, It is linked to the appropriate chapter (e.g. 4.1) of AS9100.

Objective evidence assessed / Observations / Comments / N/A explanation Record the objective evidence reviewed during the assessment or reason for not applicable.

Non-conformities:

Major: The absence of, or total breakdown of a management element specified in the 9100 standard or any non-conformities where the effect is judged to be detrimental to the integrity of the product or service.

Minor: A single system failure or lapse in conformance with a procedure relating to the 9100 standard.

**Note**: A number of minor non-conformities against one requirement can represent a total breakdown of the system and this can be considered as a major non-conformity

#### 3 USE OF THE ASESSMENT SCORING CHART

Following completion of each chapter of the Quality System Questionnaire the nomenclature Assessment Scoring chart can now be completed.

The findings of each section and sub-section of the completed Quality System Questionnaire are reviewed and the Assessment Scoring sheet completed as follows.

- ➤ If, multiple findings (i.e. greater than 1) with Major (Ma) Corrective Action Request (CAR) or minor (mi) CAR on Key requirement in a section, e.g. 4.1 General Requirements then score in Major CAR or minor CAR on Key Requirement (i.e. any questions with 'M' or 'P' indicator) "Multiple findings" column (result = 0), or
- ➢ If, single finding with Major (Ma) CAR or minor (mi) CAR on key requirements in a section, e.g. 4.1 General Requirements then score in Major CAR or minor CAR on Key Requirement "Single finding" column (result =10), or
- ➤ If, multiple findings on non Key requirement (i.e. greater than 1) with Minor (mi) (CAR) in a section, e.g. 4.1 General Requirements then score in Minor CAR on non Key requirement "Multiple findings" column (result=25), or

- If, single finding on non Key requirement with Minor (mi) CAR in a section, e.g. 4.1 General Requirements then score in Minor CAR on non Key requirement "Single findings" column (result = 40), or
- > If, no CAR in a section, e.g. 4.1 General Requirements then score in "NO CAR" column (result=50)
  - ➤ When a single finding occurred on several questions affecting the same section of the scoring table (e.g. 4.2 & 4.3 or 5.1-5.2-5.3), then score as "multiple findings".

#### Further notes on scoring

The above review criteria should be considered sequentially.

Maximum audit total can be,

a de sign

1000, where audit review comprises whole Quality System Questionnaire or,

**880**, where audit review comprises Quality System Questionnaire less Design and Development. In this case, the final score =  $\frac{\text{TOTAL X 100}}{880}$ 

If a complete section line of the score sheet has not been assessed (N/A or N/E) the score will be calculated as follow:

Score = TOTAL x 100 Sum of maximum possible score

The higher the score the greater the level of compliance acknowledged by the audit activity.

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7	PRODUCT REALIZATION	26
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		<b>QUALITY SYSTE</b>	M QUESTI	ONNAIRE				
	AS	SESSMENT QUESTIONS			KEY Requirements	S	CAR Number Ma or mi	N/A N
4 QUALITY MA	NAGEME	the state of the s					e Salaman Salaman Salaman	
4.1 General requ	irements							
	and contin	d, documented, implement nually improve its effective tandard?						
throughout the org b) determine the sequence conductor determine criteria these processes and ensure the availabe monitoring of these eomonitor, measure	sses neede ganization (1 uence and i and metho are effective bility of resou e processes and analyze	nteraction of these processes ds needed to ensure that bo ? urces and information necess	s (1) ? oth the operation eary to support the	and control of e operation and				
03 Are these processes m International Standard?		the organization in accordan	ce with the requi	rements of this	·			
•		outsource any process that n ensure control over such pro	•	conformity with	P			
05 Is the control of such ou	ıtsource pro	cesses identified within the q	uality manageme	nt system ?				
Note: Processes needed to product realization and mea		lity management system ref	erred to above s	should include p	processes fo	r man	agement,	provision
Guidance Note  1) Main process formally ide	entified e.g.	: list, flow diagram, etc.						
Objective evidence as	ssessed /	Observations / Comm	nents / N/A e	xplanation		*		
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Objective evi	-	tes as	follows in	elechlis	
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	ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mî	N/A	N/E
4.2	Documentation requirements					
4.2.1	General					
a) b) c) d)	es the quality management system documentation include: documented statements of a quality policy and quality objectives? a quality manual? documented procedures required by this International Standard? documents needed by the organization to ensure the effective planning, operation and control of its processes? records required by this International Standard (see 4.2.4)? and quality system requirements imposed by the applicable Regulatory Authorities?			·		
	es the organization ensure that personnel have access to quality management system umentation and are aware of relevant procedures ?					
	Customer and/or regulatory authority representatives have access to quality nagement system documentation ?		/			
4.2.2	Quality manual					
09 Has a) b)	the organization established and maintained a quality manual that includes (1): the scope of the quality management system, including details of, and justification for, any exclusions? the documented procedures established for the quality management system, or reference to them, and when referencing the documented procedures, is the relationship between the requirements of this International Standard and the documented procedures clearly shown (2)? a description of the interaction between the processes of the quality management system?		1			CONTRACTOR AND ANALYSIS AND ANA
documer Note 2 : a) the s b) the c	Where the term "documented procedure" appears within this International Standard, this mented, implemented and maintained.  The extent of the quality management system documentation can differ from one organization size of organization and type of activities, complexity of processes and their interactions, and competence of personnel		•		stablish	ned,
1) Qual	nce Notes lity manual reference and issue ck the procedure list					

Objective evidence assessed / Observations / Comments / N/A explanation

Revised Manuel for changes mochanges since last most - Rev N
MPD 1280.1

QUALITY SYSTEM QUESTIONNAIRE					
ASSESSMENT QUESTIONS	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
4.2. Documentation requirements (continued)					
4.2.3 Control of documents MPK-14/8. 2	Dir.	Ca	no		
10 Are the documents required by the quality management system controlled ?	M				
11 Are records controlled according to the requirements given in 4.2.4?					
12 Has a documented procedure been established to define the controls needed to:  a) approve documents for adequacy prior to issue?  b) review and update as necessary and re-approve documents?  c) ensure that changes and the current revision status of documents are identified?  d) ensure that relevant versions of applicable documents are available at points of use?  e) ensure that documents remain legible and readily identifiable?  f) ensure that documents of external origin are identified and their distribution controlled? and g) prevent the unintended use of obsolete documents, and to apply suitable identification to them if they are retained for any purpose?					
13 Does the organization coordinate document changes with customers and/or regulatory authorities in accordance with contract or regulatory requirements ?			,		
4.2.4 Control of records	[2	٠		p	·
14 Are records established and maintained to provide evidence of conformity to requirements and of the effective operation of the quality management system ?					
15 Do records remain legible, readily identifiable and retrievable (1) ?			***************************************		
16 Has a documented procedure been established to define the controls needed for the identification, storage, protection, retrieval, retention time and disposition of records?		0			
17 Does the documented procedure define the method for controlling records that are created by and/or retained by suppliers ?			***************************************	***************************************	
18 Are records available for review by customers and regulatory authorities in accordance with contract or regulatory requirements ?	The second secon			7777	
4.3 Configuration management	T	مرايستستم			,
19 Has the organization established, documented and maintained a configuration management process appropriate to the product?	P		***************************************		
Guidance Note  1) List records reviewed					
Objective evidence assessed / Observations / Comments / N/A explanation					
Marhall Directives Mgr Directives - annual review (MPR, MWI, 1	40)				Michaelecture
Rules Raview-near completion- Transformation - sipple effect of change to do Review chechlist	cunist		·		WANTED THE PROPERTY OF THE PRO
Sampled second through as noted in checklist he	lin:				********************************

1	QUALITY SYSTEM QUESTIONNAIRE		
19 大人人	ASSESSMENT QUESTIONS	Requirements CAR N/A N Mumber Ma or mi	N/E
	5 MANAGEMENT RESPONSIBILITY		
	5.1 Management commitment		
	01 Has Top management provided evidence of its commitment to the development and implementation of the quality management system and continually improving its effectiveness by (1):  a) communicating to the organization the importance of meeting customer as well as statutory and regulatory requirements?  b) establishing the quality policy? c) ensuring that quality objectives are established? d) conducting management reviews? And e) ensuring the availability of resources?	y	
	5.2 Customer focus		
	02 Has Top management ensured that customer requirements are determined and are met with the aim of enhancing customer satisfaction (see 7.2.1 and 8.2.1) ?		
	5.3 Quality policy	[2	
	<ul> <li>03 Has Top management ensured that the quality policy:</li> <li>a) is appropriate to the purpose of the organization?</li> <li>b) includes a commitment to comply with requirements and continually improve the effectiveness of the quality management system?</li> <li>c) provides a framework for establishing and reviewing quality objectives?</li> <li>d) is communicated and understood within the organization (2)? and</li> <li>e) is reviewed for continuing suitability?</li> </ul>		The second secon
ſ	5.4 Planning		
	5.4.1 Quality objectives		
	04 Has Top management ensured that quality objectives, including those needed to meet requirements for product [see 7.1 a)] are established at relevant functions and levels within the organization (3) ?		
	05 Are the quality objectives measurable and consistent with the quality policy ?	M	
L	5.4.2 Quality management system planning		
	<ul> <li>Has Top management ensured that:</li> <li>a) the planning of the quality management system is carried out in order to meet the requirements (see 4.1), as well as the quality objectives? and</li> <li>b) the integrity of the quality management system is maintained when changes to the quality management system are planned and implemented?</li> </ul>	And the second s	
Γ	Guidance Notes		
	Evidence of management commitment     Identify and records method of communication     Review objectives and status of their implementation		
	Objective evidence assessed / Observations / Comments / N/A explanation		_
**************************************	CFO - Susan Foster - Financial Inflorent Pla - Chaptome focus - injut from custome, factoral - Bus Mgnt Council - in pastauchus rech - Commitment to Businer (Quelty) - - Objectione.	MTM-	description of the state of the

S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

11:00

QUALITY SYSTEM QUESTIONNAIRE				· .	
ASSESSMENT QUESTIONS.	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
5.5 Responsibility, authority and communication				. "	
5.5.1 Responsibility and authority					
07 Has Top management ensured that the responsibilities and authorities are defined and communicated within the organization (1) ?			/		
5.5.2 Management representative	1.				1
O8 Has Top management appointed a member of management who, irrespective of other responsibilities, has responsibility and authority that includes:  a) ensuring that processes needed for the quality management system are established, implemented and maintained?  b) reporting to top management on the performance of the quality management system and any need for improvement?  c) ensuring the promotion of awareness of customer requirements throughout the organization? and	M				
d) the organizational freedom to resolve matters pertaining to quality ?					
5.5.3 Internal communication	<u> </u>	·		1	<del></del>
09 Has Top management ensured that appropriate communication processes are established within the organization and that communication takes place regarding the effectiveness of the quality management system?	and the state of t			***************************************	
Guidance Note		-			
Identify and records method of communication within the organization					
Objective evidence assessed / Observations / Comments / N/A explanation  Lateurined - Macfins Chairperan + Hgs  Top Mgnt - MC Secretarist	ut Rep			***************************************	
- CFO - Industrial Safety Lead (MTM)					
- Director SSPPO-Space System fgm	. Reoj	eet			
- Deputy Director / PMC Chain					
Discussed Mgnt Commitment, customer interacte	in,				
communication, objectives and related	& perfor	ma	nci		
measures.					Maddadinistan (c.a.) to Francisco
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				ASSESSMEN	T QUESTIONS				KEY Requiremen	its S	CAR Number Ma or mi	N/A	N/E	
	5.6	Manage	ment reviev	N		to the second						F		-
	5.6.1	General			MP	1. 1	501		- (IDA	1				1
			ement reviews	ed the organiz	zation's quality	manageme	nt system	at planned	1000					ĺ
	1			=	dequacy and eff	-	•	, at planted						
					ties for improve quality policy a			-						
	12 Are	records from	management r	reviews mainta	ained (see 4.2.4	1) ?								
	5.6.2	Review in	put											
	13 Doe	s the input to	management r	eview include	information on (	(2) :	<i>i</i> 4		М	-				
	a)	results of aud	lits?								-			
	b)	customer fee	dback?						1					
	c)		ormance and pr		•				***************************************					
	d)	•	entive and corr						***************************************					
		•	ons from previo	-										
					gement system	? And								
			tions for improv	/ement?				<del></del>						
	5.6.3	Review ou							N.4	1				
					nclude any deci:				M					ĺ
		•		,	ality manageme er requirements	•	na its proc	esses?			#7			0
		resource need	,	ted to castome	requirements	Allu					かじ			
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	1) Rec	-	ment review fre		nctions involved				orts: etc.					
	Object				ations / Con									
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Q	UALITY SYSTEM QUESTIONNAIR					
ASSES	SMENT QUESTIONS	KEY Requiremen	ts	CAR Number Ma or mi	N/A	N/I
S. RESOURCE MANAGEME	NT					
6.1 Provision of resources						
Has the organization determined and p     a) to implement and maintain the q     effectiveness ? And     b) to enhance customer satisfaction b	uality management system and continually improve	its				/
6.2 Human resources	y mocaning dustomer requirements :					
5.2.1 General						
	g product quality competent on the basis of appropri	iate			***************************************	
5.2.2 Competence, awareness and		160000000000000000000000000000000000000	-6 J			<b>m</b>
quality (2) ? b) provide training or take other actions c) Evaluate the effectiveness of the act	ions taken ? e of the relevance and importance of their activities a					J
•	cation, training, skills and experience (see 4.2.4) (3)?			PETTACE		
5.3 Infrastructure			of Processing Comment			
Does the organization determine, prove conformity to product requirements?  Infrastructure includes, as applicable:  a) buildings, workspace and associate b) process equipment (both hardware c) supporting services (such as transp	and software) ? And	eve	7	<u>5</u>		/
	manage the work environment needed to achie	eve P				
conformity to product requirements ?			- 0	bs		
ote: Factors that may affect the conformit ischarge, etc.	y of the product include temperature, humidity, lightin	g, cleanliness,	protection	from elec	trosta	tic
) Give examples of methods used to dete	is of the current year and of the previous year) rmine competence (e.g.: competence matrix, multiskill ed personnel and training records (internal and extern		ses)			_
bjective evidence assessed / Ob	servations / Comments / N/A explanation	n				
	m) reviewed work anoward		<i>i</i> 1	n ?	71	
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General hous	Keeping,					

		QUAL	ITY SYSTEM QUESTION	NAIRE	
がする。		ASSESSMEN	T QUESTIONS	KEY S CAR Requirements Number Ma or mi	N/A N/E
. 19	 				2.2

#### 7. PRODUCT REALIZATION

7.	1	Planning of product realization					
01	Does (see	the organization plan and develop the processes needed for product realization?					
02	ls pla	anning of product realization consistent with the requirements of the other processes of the ty management system (see 4.1)?					
03		nning product realization, does the organization determine the following, as appropriate : quality objectives and requirements for the product?					
	b)	the need to establish processes, documents, and provide resources specific to the product?		-		***************************************	
	c)	required verification, validation, monitoring, inspection and test activities specific to the product and the criteria for product acceptance?					
	d) -	records needed to provide evidence that the realization processes and resulting product meet requirements (see 4.2.4) ?	Р	***************************************			
!	e)	the identification of resources to support operation and maintenance of the product?		-			
04	Is the	output of this planning in a form suitable for the organization's method of operations?					V

(	Objective evidence assessed / Observations / Comments / N/A explanation
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	ASSESSMENT	QUESTIONS	IVI QUES	HONN	AIRE	KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
7.2 Customer-rel	ated processes	1 / 4.   No. 17   No. 18						Ű.		
7.2.1 Determination of	f requirements relat	ed to the produ	ıct		1 - 1.1				140	
known ?		ut necessary for	specified or in		X	M				
	rements determined by		?		100 100	<u> </u>			<u>                                     </u>	4
7.2.2 Review of require	ments related to the	product	#3.5 mil 24-1 1-1-1-1	-	- + x \( \frac{1}{2} \)	Trimina				$\dashv$
06 Does the organization ro 07 Is the review conducte customer (e.g. submis changes to contracts or	ed prior to the organiz sion of tenders, acce	cation's commitmentance of contra	nent to supply			P			Transport	
a) product requirement     b) contract or order requirement	s are defined ? uirements differing fror the ability to meet the	n those previous defined requirem	ents ? And		ed?	and the second s				
08 Are records of the res (see 4.2.4) (2) ?					aintained					1
09 Where the customer p requirements confirmed				are the	customer	And the second				
10 Where product require documents are amend requirements?	ements are changed, ed and that relevant	does the organization personnel are	anization ensi made aware	ure that of the	relevant changed	P				
Note: In some situations, s product information such as			is impractical	for each	order. Inst	ead the rev	iew ca	n cover the	e relev	ant
7.2.3 Customer comm	nunication									
	n to :	ding amendment		mmunica	ating					V
Guidance Notes  1) Check that all affected for 2) Give examples	inctions are involved in	the review								
Objective evidence as	sessed / Observa	itions / Comr	nents / N/A	explar	nation				······································	
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					Arenaeri Program Program Professor	#4 4.				

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· id*		ASSESSMENT QUESTIONS	KEY Requirements	S	CAR N/A Number Ma or mi	N/E
	100		1			

#### 7.3 Design and development 7.3.1 Design and development planning 12 Does the organization plan and control the design and development of product? M 13 During the design and development planning, does the organization determine: a) the design and development stages (1)? in respect of organization, task sequence, mandatory steps, significant stages and method of configuration control, the review, verification and validation that are appropriate to each design and development b) stage? and the responsibilities and authorities for design and development? 14 Where appropriate, due to complexity, does the organization give consideration to the following activities: - structuring the design effort into significant elements? - for each element, analyzing the tasks and the necessary resources for its design and development. Does This analysis consider an identified responsible person, design content, input data, planning constraints, and performance conditions. Is the input data specific to each element reviewed to ensure consistency with 15 Does the organization manage the interfaces between different groups involved in design and development to ensure effective communication and clear assignment of responsibility? 16 Is planning output updated, as appropriate, as the design and development progresses? 17 Are the different design and development tasks to be carried out defined according to specified safety or functional objectives of the product in accordance with customer and/or regulatory authority requirements (2)? 7.3.2 Design and development inputs 18 Are inputs relating to product requirements determined and are records maintained (see 4.2.4) Μ (3)? Do these inputs include: a) functional and performance requirements? b) applicable statutory and regulatory requirements? c) where applicable, information derived from previous similar designs? and d) other requirements essential for design and development? 19 Are these inputs reviewed for adequacy?

#### **Guidance Notes**

- Give-at-least-an-example-of-a-completed-design-&-development-plan, or an example of one in progress, that identifies the planning of tasks and key events.
- Give an example

A September

3) Review applicable input data (give examples)

20 Are requirements completed, unambiguous and not in conflict with each other?

Objective eviden	ice assessed	Observations /	Comments / I	N/A explanation	•	
		Company of the Compan		en e		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Alger Ages		100 110 140 140 140 150	Market I. Market II. Market III.	44).1 52(1)	till samt en er Samt en er Samt en er

april 1	# 1	QUALI	TY SYSTE	M QUE	ESTIONNAI	RΕ	** "		entering		
		ASSESSMENT	QUESTIONS				KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
7.3	Design and de	evelopment (cont	inued)	Ţ.		1	**		\$		7
7.3.3	Design and deve	lopment outputs			1.1	14.			1.00		7
		and development prov	vided in a form th	at enable	s verification again	nst				T I	
1,850	4,000	ent input and approved	1744 - 1	1.75	o volimozuon agair	.01			paki Naji		
2.00	the design and develo		a phor to release	1.0	187		N/I		• v:		-
10.0		ements for design and	development?	1 1 1 W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Contract		M		······································		
A 55 Sec. 1	and the second	nformation for purchasi		nd for serv	vice provision?	75.5			era. Nasar		
Anna 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	oroduct acceptance cri	9.1	\$4 x		1 1/2 1/30,			3.		
d)	specify the character	istics of the product tha	t are essential fo	rits safe	and proper use ? a	and					
e)	identify key charac	teristics, when applic	able, in accord	ance wit	h design or cont	ract		-			
	requirements?		200		\$ 12 	17.4					1
23 ls ali	l pertinent data regu	ired to allow the prod	uct to be identif	ied man	ufactured	7.5	М				Ť
		ntained defined by th									$\dagger$
•	=	t lists, specifications			•						1
		ose drawings, part lis and the design featu			cessary to define	the					V
	- information of	n material, processes	, type of manufa	cturing a	and assembly of	the					95 1
	product necessa	ry to ensure the conf	ormity of the pro	oduct ?				l	***************************************		
7.3.4	Design and deve	lopment review	1.5								٠.
24 Ats	suitable stages, are sy	stematic reviews of de	sign and develop	ment perf	ormed in accordar	nce	М				·
	planned arrangement							1			1
•	•	the results of Design a	•	to meet re	equirements?						1
•		and propose necessar	•					***************************************			ĺ
		on to the next stage ?									╪
	· · · · · ·	views include represer	itatives of function	ns concei	rned with the desig	3u		***************************************			
and	development stage(s)	being reviewed ?						-4			4
6 Are	records of the results	of the reviews and any	necessary action	ns maintai	ned (see 4.2.4) ?						4
7.3.5	Design and deve	lopment verification								Tan	1
7 Is ve	rification performed in	accordance with plant	ned arrangement	s (see 7.3	3.1) to ensure that			***************************************	77000		
the c	lesign and developme	ent outputs have met th	e design and dev	elopment/	input requiremen	ts?					1
8 Are r	ecords of the results	of the reviews and any	necessary action	is maintai	ned (see 4.2.4) ?						<i>ν</i>
	performing alternation comparing the new undertaking tests	pment verification matrive calculations with a similar and demonstrations, gn stage documents	r proven design								
Guida	ance Notes		<del></del>								
1) Gi	ve evidence of review	S									
Objecti	ve evidence ass	essed / Observat	ions / Comm	ents / I	N/A explanation	n					
······································		·	· · · · · · · · · · · · · · · · · · ·				<del></del>				
			100 (100 ) 100 (100 )				:				
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Physical Commence			n garage	1.3	Maria de la composición dela composición de la composición de la composición dela composición dela composición dela composición de la composición de la composición dela composición de la composición dela				en Notae		
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***Y	- Part 1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	24		part of			100			٠.

S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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atiky.		AS	SESSMENT QUI	ESTIONS			Re	KEY equirements	N	CAR lumber la or mi	N/A   1	
7.3 De	sign and	developn	nent (continu	ed)		To a				Ţ,		
.3.6 Des	sign and de	evelopment	t validation	0.,	93a		. *	- 12-	1			
(see 7.3.1) specified a	to ensure the	at the result intended us	on performed in a ing product is cap e, where known ?	able of me	eting the requ	uirements for the	P					
Wherever Product?		is validation	completed prior to	o the delive	ery or implem	entation of the						
Are records	of the resul	is of validation	on and any neces	sary action	s maintained	(see 4.2.4) ?		2.3.4				
Validation i	is normally p	erformed un erformed on	on follows succes der operating cor the final product, led if there are dif	ditions. but may b	e necessary	613.1		to produc	t complet	ion.		
3.6.1 Dod	cumentation	of design (	and/or developm	ent verific	ation and va	alidation		1				
reports, c	alculations,	test results	Vor development s, etc., demonstr Il identified opera	ate that th	e product de		he			entre construction of the		
3.6.2 Des	ign and/or	developmer	nt verification an	d validatio	on testing							
controlled	l, reviewed,	and docum	erification and va ented to ensure identify the prod	and prove	the following	ng (1) : the resources be		in the second	Annual An	(ABATE 2022)		
	define test	objectives	and conditions,	paramete	rs to be rec	orded, and relev	vani	***************************************	100	***************************************	200000000	***************************************
accep b) test p the re c) the co d) the re	define test otance crite procedures ecording of prrect config equirements	objectives ria ? describe th the results : guration sta of the test;	and conditions, e method of ope ? Indard of the pro plan and the tes	eration, th duct is su	ne performan	nce of the test,	vageboomb.			AND THE PROPERTY OF THE PROPER		Y
accep b) test p the re c) the co d) the re e) the ac	define test otance criter procedures ecording of priect config equirements ecceptance c	objectives ria? describe th the results: guration sta of the test riteria are n	and conditions, e method of oper and of the pro plan and the test net?	eration, th duct is su	ne performan	nce of the test,	vageboomb.	The second secon				
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ASSESSMENT QUESTIONS    Control of design and development (continued)   Control of design and development changes   Control of the co			Alleria V		i i		Prima.
ASSESSMENT QUESTIONS  To Design and development (continued)  3.7 Control of design and development changes  Are design and development changes identified and records maintained ?  Are the changes reviewed, verified and validated, as appropriate, and approved before implementation (1)?  Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product aready delivered?  Does the organization's change control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  Initiatione Note  Give an example  jective evidence assessed / Observations / Comments / N/A explanation	The section of the skines of	QUALIT	Y SYSTEM QUI	ESTIONNAIRE	· · · · · · · · · · · · · · · · · · ·	- '	of galaxy
3. Design and development (continued) 3.7 Control of design and development changes Are design and development changes identified and records maintained? Are the changes reviewed, verified and velidated, as appropriate, and approved before implementation (1)? Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?  Does the organization's change control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2-4)?  Initiational Note Give an example  jective evidence assessed / Observations / Comments / N/A explanation		ASSESSMENT C				Number	3.4
Are the changes reviewed, verified and velidated, as appropriate, and approved before implementation (1)?  Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?  Does the organization's change control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.24)?  Idiance Note  Give an example  Jective evidence assessed / Observations / Comments / N/A explanation	-901				(1) (1) (2) (3) (4) (4) (5) (4)	: # #:	
Are the changes reviewed, verified and validated, as appropriate, and approved before implementation (1)?  Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?  Does the review of schange control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  Ididance Note  Give an example  jective evidence assessed / Observations / Comments / N/A explanation					# 5 # 65 # 7 # 7		14 jiyyd
implementation (1)?  Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?  Does the organization's change control process provide for customer and/or regulatory authority approval of changes in when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  Iiidance Note  Give an example  jective evidence assessed / Observations / Comments / N/A explanation	Are design and develor	oment changes identified a	and records maintained?	1.5 1.64			
Does the review of design and development changes include evaluation of the effect of the changes on constituent parts and product already delivered?  Does the organization's change control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  Iddance Note  Give an example  Jective evidence assessed / Observations / Comments / N/A explanation	and the second s			proved before	P		
Does the organization's change control process provide for customer and/or regulatory authority approval of changes, when required by contract or regulatory requirement?  Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  iidance Note  Give an example  Jective evidence assessed / Observations / Comments / N/A explanation	B Does the review of des			of the effect of the	Р		
Records of the results of the review of changes and any necessary actions maintained (see 4.2.4)?  Indiance Note Give an example  Jective evidence assessed / Observations / Comments / N/A explanation	7 Does the organization	's change control proces	ss provide for custome	r and/or regulatory			
idance Note Give an example jective evidence assessed / Observations / Comments / N/A explanation							
give an example  jective evidence assessed / Observations / Comments / N/A explanation	<ul> <li>A property of the property of the</li></ul>						1343
jective evidence assessed / Observations / Comments / N/A explanation	uidance Note					e Magai	
jective evidence assessed / Observations / Comments / N/A explanation	) Give an example						
	bjective evidence a	ssessed / Observati	ions / Comments /	N/A explanation	44 - V <sub>2</sub>		er er Er
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		grade and the same			1.00		
그는 어린 형태를 보고 있는 경화한 물로 보고 전혀 함께 하는 것으로 생각했다. 그는 전혀 화면하는 그는 그는 생각했다. 그는 전혀 함께나다				Marian Salah			
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	QI	UALIT	Y SYSTE	M QUEST	IONNAIR	E	134		rajecji. Search	7 5% - 7	Carlo Se duce	
	ASSESS	SMENT Q	UESTIONS	er d. Mari		Re	KEY quirements	S	CAR Number Ma or mi	N/A	N/E	
7.4 Purchasing	27	18 m										
7.4.1 Purchasing process	Mil.	eran. Proposition		1		Page Dans	<u>i</u>	Ž-1			rije Gr	
Does the organization ensure Requirements?	that purch	ased prod	duct conforms	to specified pu	rchase	P				17.5		Section 201
ls the type and extent of conti upon the effect of the purchas												
11 Is the organization respons including customer-designa			of all produc	ts purchased f	rom suppliers	5,					7 1 7 1	
Does the organization evalua accordance with the organizat	ion's requi	rements?	a Sign	illea, ja	upply product in							Posterior
13 Are criteria for selection, evalu						· .						200 m
Are records of the results of example 4.2.4) ?	valuations	and any n	ecessary action	ons arising from	the evaluation	ו ו	2		NC a	*6		Cerry
a) Maintain a register of (1)? b) Periodically review Sura basis for establishing c) Define the necessary a requirements? d) Ensure where required approved special proce e) Ensure that the functionsystems has the author	ppliers pe g the level actions to I that both ess source tion havi	erformance of contro take whe h the org es? ing respe	te and use the lost to be impleted t	ne records of t lemented (2) ? ith Suppliers t d all Suppliers r approving :	these reviews that do not m	as eet er-		WASHINGTON OF THE PROPERTY OF				
Guidance Notes  1) Review current list of approve 2) Review suppliers performance	d Suppliers	; S			.)							
Objective evidence assess						n						

unable to satisfactoring lainly CIA from
previous audit. awaiting parcedure change

### QUALITY SYSTEM QUESTIONNAIRE CAR Number KEY N/A N/E ASSESSMENT QUESTIONS $\dots L$ Requirement Ma or mi 7.4 Purchasing (continued) 7.4.2 Purchasing information 46 Does purchasing information describe the product to be purchased, including where appropriate (1): a) requirements for approval of product, procedures, processes and equipment? b) requirements for qualification of personnel? c) quality management system requirements? the name or other positive identification, and applicable issues of specifications, d) drawings, process requirements, inspection instructions and other relevant technical data? requirements for design, test, examination, inspection and related instructions for e) acceptance by the Organization? requirements for test specimens (e.g., production method, number, storage f) conditions) for design approval, inspection, investigation or auditing? requirements relative to : - supplier notification to Organizationr of nonconforming product? and - arrangements for Organizationr approval of supplier nonconforming material? requirements for the supplier to notify the Organization of changes in product and/or process definition and, where required, obtain organization approval? right of access by the organization, their customer, and authorities to all facilities involved in the order and to all applicable records? and requirements for the supplier to flow down to subtier suppliers the applicable requirements in the purchasing documents, including key characteristics where 47 Does the organization ensure the adequacy of specified purchase requirements prior to their communication to the supplier? **Guidance Note** 1) Examine purchase orders that apply to several types of procurement. Objective evidence assessed / Observations / Comments / N/A explanation

S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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			QU	ALITY S'	YSTEN	QUESTI	ONNAIRE		1			
	(A)		ASSESSM	ENT QUEST	IONS	e espera La companya	#0.5 34.0 14.0	KEY Requiremen	ts	CAR Number Ma or mi	N/A	N/E
7.	4 Purchas	ing (co	ntinued)	7.	**************************************			-2	54.54 14.4			
7.4	<del></del>		chased produ	ct		1 to 1 to 1			15-		74.5	
48	Does the organizensuring that purobtaining object accompanying process controdocumentation, supplier, or sup	irchased ctive evi documen I, inspec inspectio	product meets dence of the tation, certifica- tion and audit on of products	specified pui quality of ate of confor t at supplier	rchase rec the pro rmity, test r's premis	quirements, the duct from s reports, stati ses, review o	ey may include uppliers (e.g., istical records, f the required	P		Control of the Contro		Control of the Contro
49	Is purchased pri requirements un		41 1	4 7			fied					
50	Where the organ						the data in					$\vdash$
	those reports ac						7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
51 52	Does the organi Where the organ	<del></del>	<del></del>	······································								1
52	for delegation de		-			• •	e requirements					
53	Where the organications the organization release in the pur	ation state	the intended ve	· · · · · · · · · · · · · · · · · · ·							***************************************	
54	Where specified the right to ve subcontracted	erify at t	he supplier's	premises a	nd the o	rganization's						
55	It is ensured that of effective cont responsibility to by the customer	rol of qu provide	ality by the su	pplier (it doe	s not abs	olve the orga	nization of the				200 (100 (100 (100 (100 (100 (100 (100 (	V
Gı	idance Note	<del>)</del>								·		
1)	Give an example											
Ob	ective eviden	ce asse	ssed / Obse	ervations /	Commo	ents / N/A e	xplanation					
			······································		***************************************						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_
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	QUALITY SYSTEM Q		1.00	KEY	s ·	CAR	N/A	N/
	ASSESSMENT QUESTIONS		71 100	Requirements		Number Ma or mi	100	
.5	Production and service provision		1.07			7.		
.5.1	Control of production and service provision	P. 70		. 75.				
Does	s planning consider, as applicable :	6.1.1.1 .2.1.1	. 43			. 1.5		O CONTRACTOR OF THE PARTY OF TH
	the establishment of process controls and developmen key characteristics have been identified	-						1
	the identification of in-process verification points when conformance cannot be performed at a later stage of rea		on of	P		, *.		
	the design, manufacture, and use of tooling so that vari be taken, particularly for key characteristics, and	iable measurements	can			i.,		Secretary Secretary
	special processes (see 7.5.2).							
	s the organization plan and carry out production and service p	provision under contr	olled					
	ditions (1).		-			34		
	these controlled conditions include, as applicable: the availability of information that describes the characteristics of	the product ?						***************************************
b)	the availability of work instructions, as necessary?	and product .						
c)	the use of suitable equipment?							
d)	the availability and use of monitoring and measuring devices?							
e)	the implementation of monitoring and measurement?					42.4		-
f)	the implementation of release, delivery and post-delivery activities		·					-
g)	accountability for all product during manufacture (e.g., parts nonconforming product) ?							
h)	evidence that all manufacturing and inspection operations followed, or as otherwise documented and authorized ?	nave been complete	d as	P				***************************************
i)	provision for the prevention, detection, and removal of foreig	-		P				
j)	monitoring and control of utilities and supplies such as electricity and chemical products to the extent they affect pro-	oduct quality ? and						
k)	criteria for workmanship, which shall be stipulated in the cl (e.g., written standards, representative samples or illustration		nner		addition more			
uida	nce Notes							
List t	the Part Number(s) used for this review							
		/ NI/A						
ojecti	ve evidence assessed / Observations / Comments	s / N/A explanati	on					
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	ASSESSM	ENT QUESTIONS				S CAR Number Ma or mi	N/A N/E
7.5 Production	and service pro	vision (confin	med)			1 mark	. W
.5.1.1 Production do	and the first of the second of	Vision (contin	idea)	177		Self-F	11.5
Are production opera	ations carried out in	accordance with	approved data?	4.7			
Does the data contain		yari - Jaffar	7,00	July 1	P	48.5	
	s lists, process cuments (e.g., ma and inspection do	nufacturing plan	s, traveler, route	on operations er, work orde		50000000000000000000000000000000000000	
b) a list of specific required and an	or non-specific to by specific instruction			chine program	S	neuto viriato	100 mm
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5.1.2 Control of proc	duction process cha	inges	The State of the S	AMAR A		er Prop	
Are persons author	ized to approve cha	nges to production	on processes iden	tified (1) ?	M		
Has the organization and/or regulatory requirements?							
Are changes affection	cting processes,	production equ	uipment, tools	43.00	s P		
Are procedures avai	lable to control thei	r implementation	?	• May Charles			
Are the results of ch effect has been achi				that the desire	d P	Management (1)	TO THE PROPERTY OF THE PROPERT
.3 Control of proc					kunnamunud k		
Are production equip inspected periodical	ly according to doc	umented procedu	ures ?				
Does validation prior the design data/spec	•	include verificati	on of the first artic	cle produced to	P	anguayaya an	
Are storage requirent for production equip	nents, including pe		on/condition chec	ks, established	4		
1.4 Control of work	k transferred, on a t	emporary basis,	outside the organi	zation's facilit	ies		
When planning to t facilities, does the o the work ?						and the second s	
uidance Notes	· · · · · · · · · · · · · · · · · · ·						
iective evidence a		ervations / Co	mments / N/A	explanation			
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#### QUALITY SYSTEM QUESTIONNAIRE ASSESSMENT QUESTIONS Number Ma or mi 7.5 Production and service provision (continued) 7.5.1.5 Control of service operations Where servicing is a specified requirement, do service operation processes provide for : a method of collecting and analyzing in-service data? actions to be taken where problems are identified after delivery, including investigation, reporting activities, and actions on service information consistent with contractual and/or regulatory requirements (1) (2) ? the control and updating of technical documentation? ് പ്ര the approval, control, and use of repair schemes (3)? and, d) the controls required for off-site work (e.g., organization's work undertaken at the customer's facilities) ? 7.5.2 Validation of processes for production and service provision 70 Does the organization validate any processes for production and service provision where the resulting output cannot be verified by subsequent monitoring or measurement (This includes any processes where deficiencies become apparent only after the product is in use or the service has been delivered) (4)? Note: These processes are frequently referred to as special processes. 71 Does validation demonstrate the ability of these processes to achieve planned results? 72 Has the organization established arrangements for these processes including, as applicable: defined criteria for review and approval of the processes? -qualification and approval of special processes prior to use ? approval of equipment and qualification of personnel? b) use of specific methods and procedures? - control of the significant operations and parameters of special processes in accordance with documented process specifications and changes thereto (5)? requirements for records (see 4.2.4) ? e) and revalidation? Guidance Notes

- Review reports issued following visits to the customer (technical support). Comment on method of collection of in service data. Examine some investigation reports
- Review evidence of implementation of corrective and preventive actions.
- Review evidence of what has been assessed (e.g.: maintenance manual, repair manual, information to customer)
- Verify the existence of list of special processes.

Give examples Objective evidence assessed / Observations / Comments / N/A explanation Soldering electrical connection - MSFC-STO- 2903 - Res A Soldering operators (5) all centified s w/in date Solder inspectas (4) all certified Reboun Selvan GOIX Exp. 70 Ultrasmie Trestring - Level 1 OK }all cet with date
Level 3 / Sall cet with date Forh lift operators - numerous level 2 certified

injung as for HSFC-STD-2905 Par & Proficery Examines approaches est S. Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi. Minor corrective action +65900 - MA: Not applicable - N/E: Not evaluated - P. Product - M: Management defined?

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		ASSESSMENT QUESTIONS	0 20 20		KEY Requirements	S	CAR Number Ma or mi	N/A	WE
7.	5 Production and s	ervice provision (continu	ed)		i Valori Ma		- 100 - 100		790 m 4, 19 177 c
7.	5.3 Identification and tra	aceability		ing the state of t		±.V∂			1989) 1941
73	Where appropriate, has the product realization?	organization identified the produ	ct by suitable me	ans throughout		100			
74		intain the identification of the deferences between the actual of			Р				
75	Has the organization identific requirements?	ed the product status with respect	t to monitoring and	d measurement					
76		rity media are used (e.g., s nization establish and documen							
77	Where traceability is a requidentification of the product (s	quirement, does the organization see 4.2.4) ?	control and reco	ord the unique					
78		ceability required by contract, r nization's system provide for (2,		er established	Р			,	
	b) all the products manuf manufacturing batch t products of the same b		raw material or titination (delivery	y, scrap) of all					
	assembly to be traced?	and the first of the control of the	15 W.					-	
	d) in any given product, a inspection) to be retrie	a sequential record of its produ ved?	iction (manufacti	ure, assembly,					
Note	: In some industry sectors, c	configuration management is a me	ans by which iden	tification and trac	ability is ma	intai	ned.		-
7.5.4	Customer property	MPR	- 4000	7 /	lur Fe	, ,			
		se care with customer property wi	hile it is under the	e organization's					
80		d, verified, protected and safeguar	rded customer pro	operty provided	***************************************				
81		methods to identify and record unusable and report such to the cu		s that are lost,	د ا		. ]		
Note	: Customer property can inc inspection.	lude intellectual property, <i>includ</i>	ling customer fu	ırnished data u	sed for des	ign,	production	n and	l/or

#### **Guidance Notes**

- 1) Give examples of method(s) used
- 2) Give examples of traceability level applied (up and down)
- 3) Identify types of product supplied by the customer.

Objective-evidence-assessed-/-Observations-/-Comments-/-N/A-explanation-

ZAR-04219 Den 7-4-53-40096 Form 55 Rev Tuly 78 No customer peoperly available for eleview Sampled records

S: Satisfactory - CAR: Corrective action required – Ma: Major corrective action – mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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QUALITY SYSTEM QUESTIONNAIRE	8111 #	Transfer State of the State of	oralis.	7
ASSESSMENT QUESTIONS	KEY S	CAR	N/A N/E	
	Requirements	Number Ma or mi	at	
7.5 Production and service provision (continued)	19 (19) 13 (19) 13 (19)	Alex A		
7.5.5 Preservation of product	7. n. n	*		7
82 Does the organization preserve the conformity of product during internal processing and delivery			1000	
to the intended destination?				
83 Does the preservation include identification, handling, packaging, storage and protection?		i in the second		
84 Does preservation also apply to the constituent parts of a product?				-
85 Does preservation of product also include, where applicable in accordance with product specifications and/or regulations, provisions for:				
a) cleaning?			***************************************	
b) prevention, detection and removal of foreign objects ?				127
c) special handling for sensitive products ?	34.14 1 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			
d) marking and labeling including safety warnings ?  (e) shelf life control and stock rotation ?	Marie Commission Commi	NC	***************************************	
f) special handling for hazardous materials ?		44		
86 Does the organization ensure that documents required by the contract/order to	(A)			
accompany the product are present at delivery and are protected against loss and deterioration?				¥3.5
	_R	[		
Objective evidence assessed / Observations / Comments / N/A explanation				
FIN MILITURE				
P/N 96911700-1- Vibe Test. Le EDII-00-064- AROC-016 7/1/04	3/			
Vibe Test. pe ED11-00-0619 - AROC-016 9/1/04	<u> </u>			
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Vibe Test. per EDII-00-06A-AROC-016 9/1/04 Aandar Val egerpment used	<u> </u>			
Vibe Test. pe ED11-00-0619 - AROC-016 9/1/04	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Vibe Test. for EDII-00-06A-AROC-016 9(1/04) Aandar Vol agreep ment used PM for craw - 3/N/K376929 6/4foy-6/	\\\\(\os^-\)		,	
Vibe Test. for EDII-00-06A-AROC-016 9(1/04) Aandar Vol agreep ment used PM for craw - 3/N/K376929 6/4foy-6/	\ (4(0)-\			
Vibe Test. pe EDII-00-06A-AROC-016 9(1/04)  Aandar Not agreep ment used  PM for craw - 3/N/K376929 6/4fox-6/  PM for Jib Shaker no record Kep See 6.3			N.e.o.	
Vibe Test. pe EDII-00-06A-AROC-016 9(1/04)  Aandar Not agreep ment used  PM for craw - 3/N/K376929 6/4fox-6/  PM for Jib Shaker no record Kep See 6.3			Je.	
Vibe Test. for EDII-00-064-AROC-016 9(1/04)  Aandar I be a grey ment used  PM for crans - 3/N/K376929 6/4foy-6/  BM for Jib Shakar no record kep  See 6.3  Flammeld Cabinet in Vib Lab numerous item by	y and stype of	lete. k	Je.	<del>&lt; ∂</del>
Vibe Test. for EDII-00-064-AROC-016 9(1/04)  Aandar I be a grey ment used  PM for crans - 3/N/K376929 6/4foy-6/  BM for Jib Shakar no record kep  See 6.3  Flammeld Cabinet in Vib Lab numerous item by	y and stype of	lete. k	Je	<b>₹</b> -∂.
Vibe Test for EDIL-00-064- AROC-016 9(1/04)  Aandar Vol equipment used  PM for cran - 3/N/K376929 6/4fox-6/  PM for Vib Shaker no record kep  See 6.3  Flammeld Calinat in Vib Lab numerous item by	y and stype of	lete. k	Se	<del>-0</del>
Vibe Test. for EDII-00-064-AROC-016 9(1/04)  Aandar I be a grey ment used  PM for crans - 3/N/K376929 6/4foy-6/  BM for Jib Shakar no record kep  See 6.3  Flammeld Cabinet in Vib Lab numerous item by	y and stype of	lete. k	Je	
Vibe Test. for EDII-00-064-AROC-016 9(1/04)  Aandar I be a grey ment used  PM for crans - 3/N/K376929 6/4foy-6/  BM for Jib Shakar no record kep  See 6.3  Flammeld Cabinet in Vib Lab numerous item by	y and stype of	lete. k	Se	<b>₹</b>
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Vibe Test. for EDII-00-06A-AROC-016 9(1/04)  Fandan Ital agrey must used  PM for cran - 3/N/K376929 6/4/04-6/  BM for Jib Shakar no record Kep  See 6.3  Flammabl Cabrinst in Vib Lab numerous item by Room 148 Vib-Test - Very Herry Safety walk  Dos. Control Poom- Jey Herry  Safety Walk	y and step of	Peder K		
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Vibe Test. for EDII-00-064- AROC-016 9/1/04  Aandar Vol equipment used  PM for craw - 3/N/K376929 6/4/04-6/  BM for Jib Shakar no record kep  See 4.3  Flammed Calinet in Vib Lab numerous item be,  Rom 148 Vib-Test - Very Herry Safety work  Dos. Control Rom. Jey Herry  Su 4.4.  Shipping Receiving area - Training : Certification of one	y and step of	Peder K		2-0,
Vibe Test. for EDII-00-06A-AROC-016 9(1/04)  Randowshol agreyment used  PM for cran - 5/N/K376929 6/4/04-6/  BM for Vib Shekar no record kep  See 6.3  Flammeld Cabrinst in Vib Lab numerous item by  Room 148 Vib-Test - Very Herry Safety walk  Dos. Control Poom- Very Herry  See 6.4	y and step of	Peder K		(ws 5
Vibe Test. for EDII-00-064- AROC-016 9/1/04  Aander Vol equipment used  PM for craw - 3/N/K376929 6/4/04-6/  PM for Jib Shaker no second kep  See 4-3  Flammed Calinet in Vib Lab numerous item by  Room 148 Vib-Test - Very Herry Safety wolk  Dos. Control Porm- Very Herry  Su 4-4  Shipping Receiving area - Training - Certification of one	y and soppe of	lete. L		(wt 5

S: Satisfactory - CAR: Corrective action required - Ma. Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management  $= \frac{1}{2} \left( \frac{1}{2} \frac{d^2 x}{dx^2} \right) \sum_{i=1}^{2} \frac{1}{2} \left( \frac{x}{x} \right)^{i+1} \left( \frac{$ 

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ASSESSMENT QUESTIONS  Requirements so CAR Number Male or million of the control of monitoring and measuring devices needed to provide evidence of conformity of product to determined requirements (see 7.2.1) (1)?  Ba Does the organization determine in a register of these monitoring and measuring devices, and define the process employed for their calibration including details of equipment type, unique identification, location, frequency of checks, check method and acceptance criteria?  Note: Monitoring and measuring devices include, but are not limited to: test hardware, test software, automated test equipment (ATE) and plotters used to produce inspection data. It also includes personally owned and customer supplied equipment used to provide evidence of product conformity.  Bo Does the organization establish processes to ensure that monitoring and measurement can be carried out and are carried out in a manner that is consistent with the monitoring and measurement requirements?  Does the organization ensure that environmental conditions are suitable for the calibrations, inspections, measurements and tests being carried out?  Where necessary to ensure valid results, is measuring equipment:  a) calibrated or verified at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards; where no such standards exist, the basis used for calibration or verification shall be recorded (2)?  b) adjusted or re-adjusted as necessary?  c) identified to enable the calibration status to be determined?  d) safeguarded from adjustments that would invalidate the measurement result?  e) protected from damage and deterioration during handling, maintenance and storage?  10 zerolled to a defined method when requiriment of specified requirements is the ability of programment of the process of the results of calibration and verification maintained (see 4.2.4)?  When used in the monitoring and m	1.0 March 1.0 Co. 1.0		 1.00 (0)		2.4
ASSESSMENT QUESTIONS  7.6 Control of monitoring and measuring devices  APR \$730.5  7.6 Control of monitoring and measuring devices  APR \$730.5  7.6 Control of monitoring and measuring devices  APR \$730.5  8 Does the organization determine the monitoring and measurement to be undertaken and the monitoring and measuring devices needed to provide evidence of conformity of product to determined requirements (see 7.2.1) (1)?  8 Does the organization maintain a register of these monitoring and measuring devices, and define the process employed for their calibration including details of equipment type, unique identification, location, frequency of checks, check method and acceptance criteria?  Note: Monitoring and measuring devices include, but are not limited to: test hardware, test software, automated test equipment (ATE) and plotters used to produce inspection data. It also includes personally owned and customer supplied equipment used to provide evidence of product conformity.  8 Does the organization establish processes to ensure that monitoring and measurement can be carried out and are carried out in a manner that is consistent with the monitoring and measurements?  90 Does the organization ensure that environmental conditions are suitable for the calibrations, inspections, measurements and tests being carried out?  1 Where necessary to ensure valid results, is measuring equipment:  2 calibrated or verified at specified intervals, or prior to use, against measurement standards exist, the basis used for calibration or verification shall be recorded (2)?  b) adjusted or re-adjusted as necessary?  c) identified to enable the calibration status to be determined?  d) safeguarded from adjustments that would invalidate the measurement result?  e) protected from damage and deterioration during handling, maintenance and storage?  7 Procalled to a defined method when requiring calibration?  8 Does the organization assess and record the validity of the previous measuring results when the equipment is found not to conform	QUALITY SYSTEM QUESTIONNAIRE		ng Ara 1964 (Super 1865)		Taju Piake
87. Does the organization determine the monitoring and measurement to be undertaken and the monitoring and measuring devices needed to provide evidence of conformity of product to determined requirements (see 7.2.1) (1) ?  88. Does the organization maintain a register of these monitoring and measuring devices, and define the process employed for their calibration including details of equipment type, unique identification, location, frequency of checks, check method and acceptance criteria?  Note: Monitoring and measuring devices include, but are not limited to: test hardware, test software, automated test equipment (ATE) and plotters used to produce inspection data. It also includes personally owned and customer supplied equipment used to provide evidence of product conformity.  89. Does the organization establish processes to ensure that monitoring and measurement can be carried out and are carried out in a manner that is consistent with the monitoring and measurement requirements?  90. Does the organization ensure that environmental conditions are suitable for the calibrations, inspections, measurements and tests being carried out?  91. Where necessary to ensure valid results, is measuring equipment:  a) calibrated or verified at specified intervals, or prior to use, against measurement standards traceable to international or national measurement standards, where no such standards exist, the basis used for calibration or verification shall be recorded (2)?  b) adjusted or re-adjusted as necessary?  c) identified to enable the calibration status to be determined?  d) safeguarded from adjustments that would invalidate the measurement result?  e) protected from damage and deterioration during handling, maintenance and storage?  f) recalled to a defined method when requiring calibration?  20. Does the organization sakes and record the validity of the previous measuring results when the equipment is found not to conform to requirements?  31. Does the organization take appropriate action on the equipment and any pr	ASSESSMENT QUESTIONS		Number	N/A	N/E
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When used in the monitoring and measurement of specified requirements, is the ability of computer software to satisfy the intended application confirmed?	93 Does the organization take appropriate action on the equipment and any product affected ?	P			
computer software to satisfy the intended application confirmed ?	A CONTRACTOR OF THE CONTRACTOR				
96 Is this undertaken prior to initial use and reconfirmed as necessary?	When used in the monitoring and measurement of specified requirements, is the ability of computer software to satisfy the intended application confirmed?	P			
	96 Is this undertaken prior to initial use and reconfirmed as necessary ?				

#### **Guidance Notes**

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Review that the organization has a process for ensuring the capability of measurement system (e.g. Interval Analysis, Resolution Analysis, Gage Repeatable & Reproducibility, etc.)

Ensure the links to the recognized international / national standard.

	Objective evidence as	sessed / Observations / Com	ments / N/A explanat	tion STB	***************************************
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S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - mi: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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ASSESSMENT QUESTIONS		KEY Requirements	S	CAR Number Ma or mi	N/A	N/E
8.2 Monitoring and measurement (continued)		T (St at the		- 1. - 1. - 1.		
8.2.1 Customer satisfaction	MPR 1280	4	ROV F	<b>:</b>		14. W/27 15. C
03 As one of the measurements of the performance of the quality manage organization monitor information relating to customer perception as to w has met customer requirements (1)?			1			
04 Are the methods for obtaining and using this information determined?			<b>7</b>	110		
8.2.2 Internal audit	MPR 1280,1	, les	SF.		April 1	e desertion
05 Does the organization conduct internal audits at planned intervals to quality management system (2):  a) conforms to the planned arrangements (see 7.1), to the requirement Standard and to the quality management system requirement organization? and  b) is effectively implemented and maintained?	nts of this International	M	1			
06 Is an audit program planned, taking into consideration the status a processes and areas to be audited, as well as the results of previous audited.			/			
07. Is the audit criteria, scope, frequency and methods defined?	and the state of t		/			
08. Does the selection of auditors and conduct of audits ensure objectivity audit process (3) ?	and impartiality of the		<b>√</b>			
09 Does the organization ensure internal auditors do not audit their own wor	rk ?		1			
10 Are the responsibilities and requirements for planning and conducting a results and maintaining records (see 4.2.4) defined in a documented proc			<b>✓</b>			
11 Do the management responsible for the areas being audited ensure without undue delay to eliminate detected nonconformities and their caus		М	<u>/</u>			
12 Do follow-up activities include the verification of the actions taken verification results (see 8.5.2) (4) ?	and the reporting of	and an analysis of the same of	/			
13 Are detailed tools and techniques developed such as check sheets or any similar method to support audit of the quality management sy			is a second			
14 Are the selected internal audit tools acceptable in measuring the internal audit and overall organization performance?	e effectiveness of the		$\int$			

#### **Guidance Notes**

- 1) Give examples of how customer's satisfaction is measured, committed, and acted upon.
- 2) Review of audit plan (status of the previous year and progress of the current year).

15 Do internal audits also meet contract and/or regulatory requirements?

- Check the list of approved auditors.
- ή Review type of audits (questionnaire, synthesis, circulation, request for corrective actions, corrective actions follow-up).

Objective evidence assessed / Observations / Comments / N/A explanation

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MP 02200501 7Feb- Shuttle Respublic - NRR 660, 461

PS 04200501 4Apr. Procurement Office - NCR 683, 684

DA 04200501 18 Apr. Office of DiR, Chief Council, Eduffice

QD 03200501 7MAR S+MA Directorate - NCR 643, 680



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	ASSESSMENT QUESTIONS	18.	KEY equiremen	ts S	CAR Number	N/A	N/E	
90 1	8.3 Control of nonconforming product MPR - 8730, 7	2	Rus	E	∐ Maormi			
	Note: The term "nonconforming product" includes nonconforming product returned from	a cust	omer.				The state of the s	
	35 Does the organization ensure that product which does not conform to requirements is identifiand controlled to prevent its unintended use or delivery?	ied P			1.91			
10 (10 ft)	36 Are the controls and related responsibilities and authorities for dealing with nonconformi product defined in a documented procedure ?	ing			1.00 pt/ 1.00 pt/ 1.0			Harry Sales Grade Sales Grade Sales
	37 Does the organization's documented procedure define the responsibility for review as authority for the disposition of nonconforming product and the process for approving personnel making these decisions? MWI \$730,3 Kee C		r V	Consequence of the Consequence o	NC			
##1.	38 Does the organization deal with nonconforming product in one or more of the following ways b  a) taking action to eliminate the detected nonconformity?	oy: P		1		-		
	<ul> <li>authorizing its use, release or acceptance under concession by a relevant authority ar where applicable, by the customer?</li> <li>taking action to preclude its original intended use or application?</li> </ul>	nd,	i Ali Vi Marina Marina	ALTONOMIA DE CONTRACTOR DE CON			1000	
e filip	39 Does the organization prevent dispositions of use-as-is or repair, unless specifical authorized by the customer, if  the product is produced to customer design? or  the nonconformity results in a departure from the contract requirements?  (Unless otherwise restricted in the contract, is organization-designed product, which			THE REAL PROPERTY AND ADDRESS OF THE PROPERTY ADDR				
	controlled via a customer specification, dispositioned by the organization as-use-as is repair, provided the nonconformity does not result in a departure from custome specified requirements?)							
	40 Is product dispositioned for scrap conspicuously and permanently marked, or positive controlled, until physically rendered unusable ?	ely P						
	41 Are records of the nature of nonconformities and any subsequent actions taken, including concessions obtained, maintained (see 4.2.4)?	ing (						
	42 When nonconforming product is corrected, is it subject to re-verification to demonstra conformity to the requirements ?	ate						4
	43 When nonconforming product is detected after delivery or use has started, does the organization take action appropriate to the effects, or potential effects, of the nonconformity?	on P						
	44 In addition to any contract or regulatory authority reporting requirements, does the organization's system provide for timely reporting of delivered nonconforming product that may affect reliability or safety?	he P						
	45 Does notification include a clear description of the nonconformity, which includes a necessary, parts affected, customer and/or organization part numbers, quantity, ar date(s) delivered ?	13						
	Objective evidence assessed / Observations / Comments / N/A explanation	n			·			
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Do a) b) c)	customer sa conformity to characteristic action ? And	tisfaction product cs and tre	(see 8.2.1) requiremen	(1) ? nts (see 7.2	2.1) ?		ing opportuni	ties for preventive			A CALLANDA CONTRACTOR	THE COLUMN TO TH	
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	ASSES	SMENT QUESTION	S		KEY Requirements	S s	CAR Number Ma or mi	N/A	N/E
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8.5.1	Continual improvement		1.44			*;			
	es the organization continually imprough the use of the quality policy, qu		er i faller i						
and	preventive actions and managemen	nt review ?							L.
8.5.2	Corrective action		7. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*	Ъ			T	·
	s the organization take action to el irrence (1)?	iminate the cause of	f nonconformities	s in order to prevent		/			
51 Are	Corrective actions appropriate to the	e effects of the nonce	onformities enco	untered ?		1			
a)	documented procedure established reviewing nonconformities (including determining the causes of nonconformities)	g customer complain							entrementari berbera belina sasasa
c)	evaluating the need for action to en	sure that nonconform	nities do not recu	r?	***************************************	/			
e)	determining and implementing action recording of the results of the action				-	1			***************************************
g)	reviewing corrective action taken? flow down of the corrective action that the supplier is responsible for			en it is determined	***************************************			***************************************	WANTANTON WILLY BELLEVIEN
	specific actions where timely and			not achieved ?		1	***************************************		
8.5.3	Preventive action					<u> </u>	<u></u>	<u></u>	<u> </u>
	s the organization determine action r to prevent their occurrence (2) ?	to eliminate the ca	uses of potentia	I nonconformities in	M	$\checkmark$			
54 Are	preventive actions appropriate to the	e effects of the poten	itial problems?			J			
a) (	documented procedure established determining potential nonconformities evaluating the need for action to pre	es and their causes?	•	,	***************************************				
•	determining and implementing action		ionoomommues :				***************************************		
	ecording of the results of the action		and		***************************************		***************************************		
е) г	eviewing preventive action taken?								<u></u>
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S: Satisfactory - CAR: Corrective action required - Ma: Major corrective action - m: Minor corrective action N/A: Not applicable - N/E: Not evaluated - P: Product - M: Management

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# Annex A (informative)

### **Bibliography**

ISO 9000: 2000 Quality management systems - Fundamentals and vocabulary

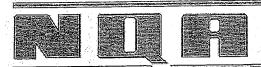
ISO 9001: 2000 Quality management systems – Requirements

ISO 19011 Guidelines for auditing quality systems

EN 9100 - Section 1 Aerospace series - Quality management systems - Requirements (based on

ISO 9001: 2000)





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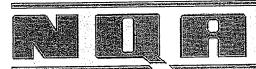
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